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Introduction

Thank you for purchasing this television set. Every effort has been made to simplify the operation and tuning of the receiver by the use of menus. These menus are displayed on screen when requested giving easy access to the various adjustments.

This handbook has been designed to help you install and operate your TV set. We would strongly advice you read it thoroughly.

- This circle in front of a sentence indicates what you should do,
- ▷ This arrow shows the result of your action,
- text in italics: a note or comment,*
- this black rectangle: how to exit or cancel.

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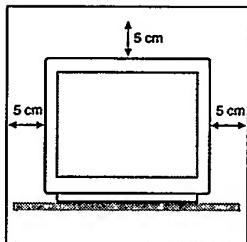
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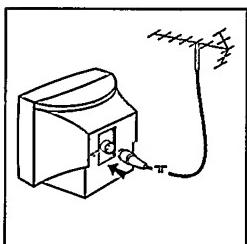
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Installation



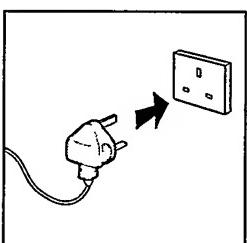
1 Installing the TV set

- Place your TV set on a solid, stable surface (please ensure this is strong enough). Do not place anything on the TV set which might damage it (plants or heat sources). For ventilation allow a space of at least 5cm around the TV set.



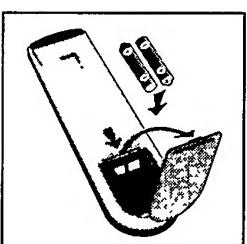
2 Connecting the aerial

- Insert the aerial plug into the socket "F" at the rear of the set.



3 Connecting the mains

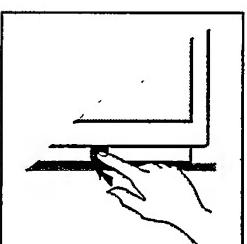
- Insert the mains plug into a wall socket (220-240 V/50 Hz).



4 Remote control

- Insert the 2 LR03-type batteries (supplied) making sure they are the right way around.

In an effort to help protect the environment the batteries supplied with this television do not contain mercury or nickel cadmium. If a means of recycling batteries is available, please use this (if in doubt, contact your dealer).

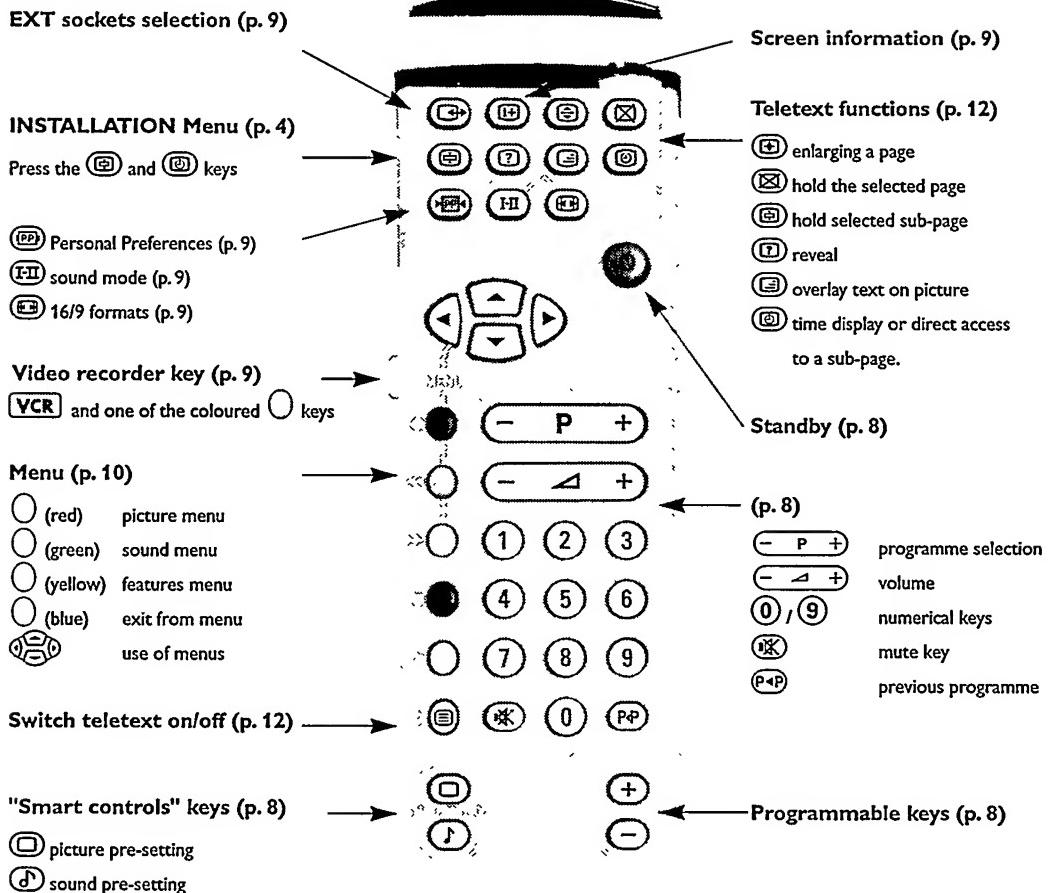


5 Switching on

- Press the on/off key to switch on the television.
- ▷ A green indicator comes on and the screen lights up. If the indicator is red, press the $\left[\begin{array}{c} - \\ P \\ + \end{array} \right]$ key on the remote control.

When the remote control is being used the indicator flashes orange.

Remote control keys



The keys on the TV set

The television has 3 keys: MENU, - and +. These keys are located on the top, front or side of the set, (if on the front or side of the set they may be concealed by a flap).

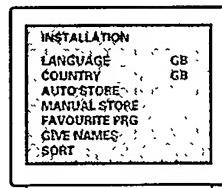
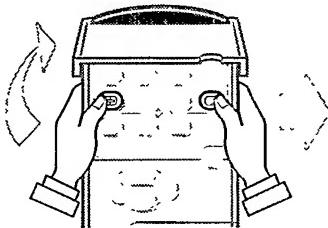
The MENU key is used to select the function to be altered. The - and + keys are used to select programmes or modify the selected MENU item.

Installation Menu

This Menu enables you to tune in the channels on the TV set.

To call up the INSTALLATION menu:

Open the cover



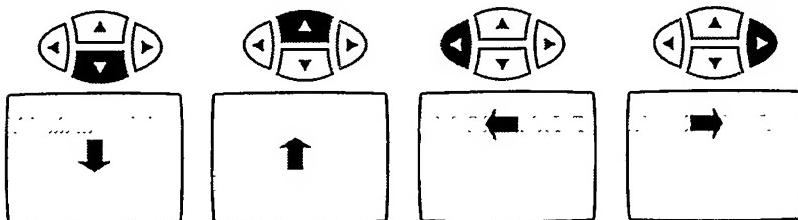
Press the and keys at the same time.

The INSTALLATION menu appears on the screen.

If the menu display is not stable, press the key.

To use the menus:

These 4 keys allow you to move around in the menus, make adjustments and access the sub-menus.



■ To exit from the menus

- Press the blue key.

Selecting the menu language

From the INSTALLATION menu:

- Select the LANGUAGE adjustment using the keys.
- Select the language you wish to use by means of the or keys.
 - ▷ The text for all the menus will appear in the language you have chosen.

Selecting the country

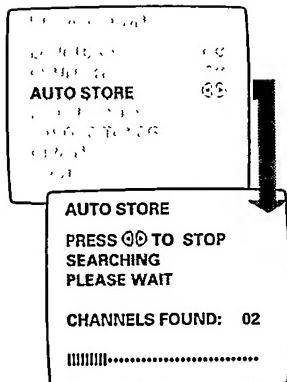
- Select the COUNTRY adjustment using the keys.
- Select your country using the or keys (GB for Great Britain).

Warning: It is essential for correct channel tuning that these two adjustments are set correctly.

Tuning-in the TV channels

There are two ways the television can be tuned in : automatic store or manual store (tuning - in channel by channel).

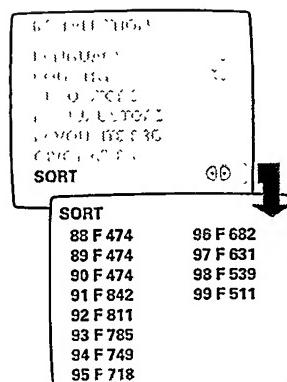
Automatic store



From the INSTALLATION menu (Ⓐ and Ⓑ keys) (after ensuring LANGUAGE and COUNTRY have been set correctly)

- Select AUTO STORE (Ⓐ Ⓑ keys) and press Ⓞ.
- ▷ The AUTO STORE menu appears. Searching begins. The message SEARCHING PLEASE WAIT appears on the screen.
The TV set searches through the complete frequency range in your local region and stores all the programmes it finds. The search operation takes a few minutes. When the search is complete, the INSTALLATION menu reappears automatically.
This TV set is equipped with an Easy Tune system which automatically sorts the programmes by name.
- ▷ If the transmitter emits the correct signal, the programmes are correctly numbered.
In certain cases, the system may ask you to indicate your local region using keys ① to ⑨.
- ▷ If no signal is emitted, the programmes will be numbered in descending order starting from 99, 98, 97... Should this occur, the SORT menu should be used to re-number the programmes.
If no picture is found, refer to the chapter entitled "Tips" (page 17).

Sort



This menu allows you to re-number the programmes in the order you prefer.

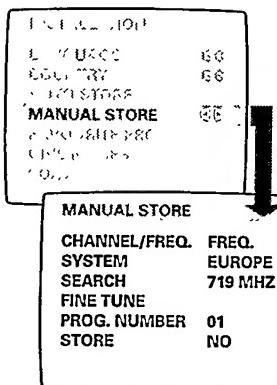
- Select SORT (Ⓐ Ⓑ keys) and press Ⓞ.
- ▷ The SORT menu appears.
The menu provides a list of all the programme numbers with their names (where provided), or frequencies or channels.
- 1 Using the Ⓐ Ⓑ keys, select the programme to be re-numbered.
If, for example, you want to re-number programme 96 as 2: Select 96 using Ⓐ Ⓑ keys (or type ⑨ ⑥).
The number chosen (96) will appear in blue in the list.
- 2 Press the Ⓞ key to enter.
A yellow rectangle appears on the name of the programme (or on its frequency or channel).
- 3 Enter the new number using keys ① to ⑨.
In our example, type ②. Programme 02 appears.
The number (02) appears in blue in the list.
- 4 Press the Ⓞ key to enter (③ can be used to cancel).
The exchange of numbers is now complete. In our example, programme No. 96 has become No. 02 (and programme No. 02 has become No. 96). Repeat this operation for other programmes you wish to re-number

■ To exit from the menu

- Press the blue Ⓛ key.

Manual store

- From the INSTALLATION menu (ⓐ and ⓑ keys).
- Select MANUAL STORE (ⓐⓑ keys) and press Ⓛ.
 - > The MANUAL STORE menu appears.



1 Select channel or frequency mode

- For certain countries this adjustment is not available.
- Select CHANNEL/FREQUENCY (ⓐⓑ).
 - Use the ⓀⓁ keys to select tuning mode.
FREQ. (frequency search) or CHAN.C and CHANS. (channel search if you know the channel numbers on which the programmes are broadcast).

2 Selecting the TV system

- Select SYSTEM (ⓐⓑ).
- Use ⓀⓁ to select EUROPE, EUR. W, EUR. E, UK or FRANCE (according to model).
Selecting EUROPE guarantees automatic detection, with the exception of transmissions from France (standard LL': select FRANCE) or in certain cases of poor reception where EUR. W (BG), EUR. E (DK) or UK (I) should be selected.

For more information see glossary on p. 18

3 Search

- Select SEARCH (ⓐⓑ) and press Ⓛ.
> The search begins. As soon as a programme is found, the search will stop.
Go to section 4.
- If you know the frequency (or the channel) of the programme you wish to receive, you can enter its number in directly using keys numbered Ⓚ to Ⓣ.
*If no picture is found, refer to "Tips" chapter (page 17).
If you want to rerun the search, press Ⓛ again.*

Fine tuning

If reception is not satisfactory, you can use the fine tuning function.

- Select FINE TUNE (ⓐⓑ).
- Hold down the ⓀⓁ keys to adjust.

4 Programme number

- Select PRG NUMBER (ⓐⓑ)
- Use the ⓀⓁ keys or the Ⓚ to Ⓣ keys to enter the required number.

5 Store

- Select STORE (ⓐⓑ) and press Ⓛ.
> The OK message appears. The programme and its name (if it has one) are stored.

repeat 3, 4, 5 for each programme to be stored.

■ To exit from the menu:

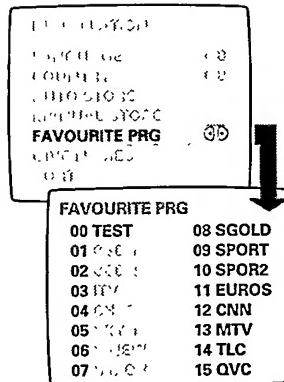
- Press the blue Ⓜ key.

Favourite Programmes

This menu allows you to choose which programmes can be accessed using the **(- P +)** key on the remote control.

From the INSTALLATION menu:

- Select FAVOURITE PRG (**(- P +)** keys) and press **▷**.
 - > The FAVOURITE PRG menu appears. All programmes found during the search are automatically included in the menu and appear in green.
 - Use the **(- P +)** keys to select any programme you wish to remove from the list of favourites.
 - Press **▷** to de-activate (or activate) a programme.
 - > The de-activated programmes appear in white, the activated programmes appear in green.
- Only the programmes and EXT sockets that are displayed in green in this menu can be accessed using the **(- P +)** key.
- Warning: If all programmes are de-activated, the **(- P +)** key will cease to function.



■ To exit from the menu:

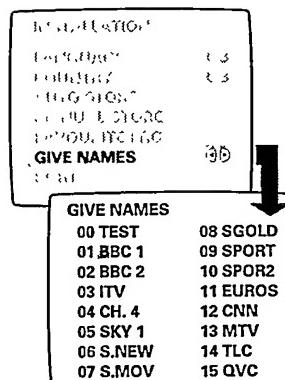
- Press the blue **○** key.

Programme names

This menu allows you to name and modify names for programmes and EXT sockets.

From the INSTALLATION menu:

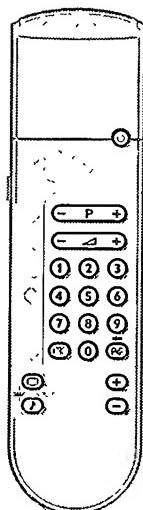
- Select GIVE NAMES (**(- P +)** keys) and press **▷**.
- > The GIVE NAMES menu appears with the list of programmes found automatically during installation.
- Certain programmes may not be named (the signal needed for identification is not always transmitted) or may be inappropriately named (only 5 characters are displayed).
- Use the **(- P +)** key to select the required programme.
- Use the **(◄ ▷)** keys to move to the area in which the programme name appears (up to 5 characters)
- > A yellow rectangle appears in the chosen area.
- Use the **(◄ ▷)** keys to select the character to be modified.
- Use the **(- P +)** keys to modify the selected character.
- Use the **(- P +)** keys to move around in the next programme.



■ To exit from the INSTALLATION menu:

- Press the blue **○** key twice.

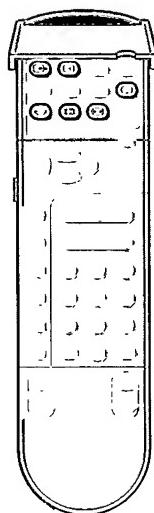
Using the remote control



Press:	Result:
Standby	The TV set is switched off and the red indicator lights up. To switch the TV set on again, press or keys ① to ⑨. <i>For further information, see "Tips" (p. 17).</i>
Selecting TV programmes	Move up or down a programme. <i>N.B.: Only programmes activated in the FAVOURITE PRGS menu can be accessed (see p. 7).</i>
Volume	The volume is adjusted.
Numerical keys	Choose a programme. The number (and name if it exists) appears on the screen. For a 2 figure number, the second figure must be entered before the dash disappears.
Mute key	Disables or enables the sound.
Previous programme	Return to the last programme watched.
"Smart Controls" keys	To access the presets of the TV set. Picture presets: (key). Each time it is pressed, a different picture preset is selected: RICH, SOFT, NATURAL or MANUAL. Sound presets: (key). Each time it is pressed, a different sound preset is selected: SPEECH, MUSIC, THEATRE or MANUAL. <i>The values corresponding to these presets are given in the PICTURE and SOUND menus (see p. 10).</i>
Programmable keys	These allow direct access to any adjustment made in the PICTURE and SOUND menus (see p. 10) To program the keys: If, for example, you wished to gain direct access to the BRIGHTNESS adjustment. Display the PICTURE menu (red key) and select BRIGHTNESS (). Use keys and to adjust, rather than the keys. The keys are now programmed. Exit from the menu (blue key). Press and again. This will give you direct access to the brightness adjustment. Repeat for any other adjustment you may wish to make.

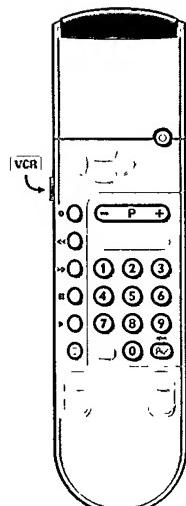
Other functions

Press:



Result:

	Select EXT sockets	Pressing this key selects E1 (EXT1), E2 (EXT2) and E2 Y/C in turn (see p. 15).
	Screen information	Press for 3 seconds to activate/de-activate the continuous display of the programme number. Press briefly to display the number, name (if there is one), sound mode and time remaining (see SLEEPSMART p. 11).
	Time display	The time is displayed in the top right-hand corner of the screen. <i>This function only exists if the programme broadcasts teletext.</i>
	Personal Preferences	Restores the settings made in the FEATURES menu (see p. 11)
	Sound mode	Pressing this key allows you to switch from STEREO to MONO sound (in case of stereo transmission), or to choose between language I or language II (in case of bilingual transmissions). For TV sets fitted with NICAM reception, the DIGITAL message appears when a NICAM broadcast is received. The key allows you to switch from DIGITAL STEREO to MONO or, for bilingual transmissions, to choose between DIGITAL I, DIGITAL II or MONO.
	16/9 Formats	Movies and other programmes may be broadcast in a wide screen format. These may have an aspect ratio of 14/9 or 16/9, pressing this button vertically squeezes the picture to adapt the aspect ratio to that of the transmission. Pressing the button again returns the screen format to 4/3. <i>For more information, see glossary (p. 18).</i>



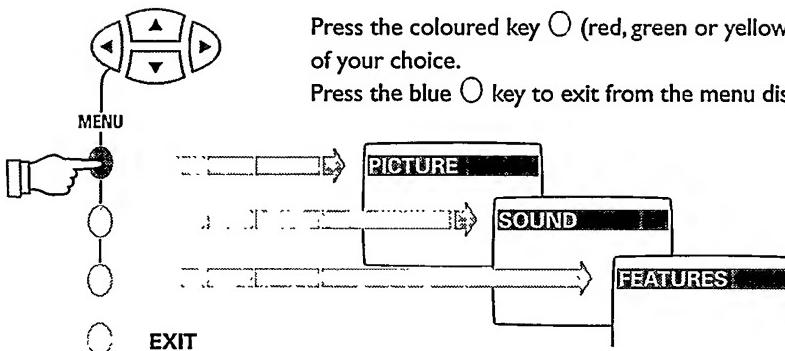
VCR Video recorder keys

Press the **VCR** key and one of the following keys simultaneously.

- | | | |
|--------|---|----------------------------------|
| ● | ○ | record, |
| ◀ | ○ | rewind, |
| ▶ | ○ | fast forward, |
| ■ | ○ | stop, |
| ► | ○ | play, |
| ⊕ | ○ | programming (on certain models), |
| -/- | ○ | 1- or 2-digit programmes, |
| | ○ | programme selection, |
| ① to ⑨ | ○ | enter a programme number, |
| ○ | ○ | standby |

These keys function with video recorders in our range and with all models which use the RCS signalling standard.

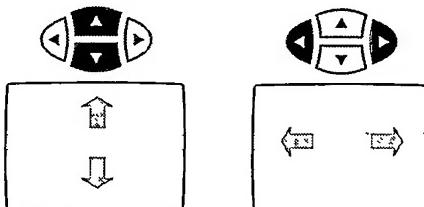
Using the menus



Press the coloured key (red, green or yellow) to display the menu of your choice.

Press the blue key to exit from the menu displayed.

Use the to select your adjustments and the keys to adjust or access the sub-menus.



Picture

PICTURE	
BRIGHTNESS 26
COLOUR 32
CONTRAST 52
SHARPNESS 40
TINT 00
NOISE REDUCT.	OFF
DYNAMIC CONTR.	OFF

- Display PICTURE menu (red key).
- Use to select the adjustments and to adjust.
- > You can now access the adjustments BRIGHTNESS, COLOUR, CONTRAST, SHARPNESS and TINT. Sharpness adjusts the clarity of the picture, Tint adjusts the colour temperature of the picture from "cool" (blue white) to "warm" (red white).
- NOISE REDUCT. Useful in case of poor reception to reduce picture noise (snowy picture).
- DYNAMIC CONTR. (only on certain models)
- Automatically adapts the contrast to suit the picture content.
- For picture adjustment see also "Tips" (p. 17).*

Sound

SOUND	
BALANCE 00
TREBLE 35
BASS 54
INCR. SOUND	ON
HEADPHONES 15

- Display SOUND menu (green key).
- > You can now access the BALANCE, TREBLE, BASS, HEADPHONES adjustments and activate the INCR. SOUND option. INCR. SOUND enhances the stereo effect, giving the impression that the speakers are positioned further apart. For mono transmissions a stereo effect is created.
- HEADPHONES: Allows you to adjust the headphones volume independently from the loud-speakers on the TV set.

■ To exit from the menus:

- Press the blue key.

Features

Child Lock

FEATURES	()
CHILDLOCK	OFF
STORE PP ALL	NO
STORE. PP P: 01	NO
TIMERS	
MESSAGE	

The child lock function is an electronic lock which disables the keys on the TV set.

- Display the FEATURES menu (yellow key).
- Select CHILD LOCK (keys).
- Use keys to switch to ON.
- Switch off the TV set and remove the remote control. The television can no longer be used.
 - > The TV set can only be switched on using the remote control.

■ To cancel: Return CHILD LOCK to OFF in the features menu.

Storing adjustments

This function allows you to store your own picture and sound adjustments. The adjustments are restored every time your set is switched on, or by pressing the green key on your remote control.

General storing

First carry out your PICTURE and SOUND adjustments and adjust the volume (key) and then:

- Display the FEATURES menu (yellow key).
- Select STORE PP ALL (keys) and press .
- > The message OK appears. All the PICTURE and SOUND menu adjustments as well as the volume are stored.

Storing adjustments for each programme

This function allows you to correct any differences in levels which may exist between TV channels and/or EXT sockets. It allows you to store BRIGHTNESS, COLOUR, SHARPNESS, NOISE REDUCT. and volume adjustments (key).

Carry out desired corrections to settings for the programme (or EXT connection), and then:

- Display the FEATURES menu (yellow key).
- Select STORE PP P:__ (keys) and press .
- > The message OK appears. The adjustments are stored.

Repeat for each programme that needs correcting.

Programming

Sleep timer

- From the FEATURES menu (yellow key).
- Select PROGRAMMING () and press .
- > The PROGRAMMING menu appears.
- Select SLEEPSLEEPER and use to enter the length of time after which the TV will switch to standby mode (up to 180 mins).
Press the key to display the length of time remaining.

■ To cancel: Switch SLEEPSLEEPER back to 0.

Programmed Switch on

The following adjustments allow you to program the TV to automatically switch on with the programme of your choice.

- Select the adjustments using $\square \square$ keys:

SET CLOCK: Use keys ① to ⑨ or the $\square \square$ keys.

N.B.: Every time the TV is switched on the clock is automatically updated on the basis of the teletext information in programme No. 1.

If the TV set does not feature teletext, this update will not occur.

START TIME: Use keys ① to ⑨ or $\square \square$ keys.

STOP TIME: Use keys ① to ⑨ or $\square \square$ keys.

PRG NUMBER: Use keys ① to ⑨ or $\square \square$ keys.

DAILY: Set this option to ON (⑩ key) if you want the programming to apply every day.

TIMER ACTIVE Set this option to ON to activate the timer.

- Press the blue \bigcirc key to exit from menu.

If you now switch the TV set onto standby (\odot key), it will automatically switch on at the time programmed.

- To cancel: Switch TIMER ACTIVE back to OFF.

N.B.: For programming to function correctly do not use the on/off key on the front of the TV set to switch off the TV.

The programmed switch on-off can be used together with the child lock function in order to limit the use of the TV set to a certain length of time.

Message

This menu allows you to leave a message which will appear on the screen when the TV is switched on (e.g.: "call me when you get home").

- From the FEATURES menu (yellow \bigcirc key).

- Select MESSAGE ($\square \square$) and press ⑩.

- The MESSAGE menu appears. Select the adjustments using $\square \square$ keys:

CHANGE: Press the ⑩ key to display CHANGE menu.

- Use the $\square \square$ keys to select the positioning of the characters (44 characters spaced over 2 lines).

- Use the $\square \square$ keys to select each character.

When the message has been entered:

- Press the blue \bigcirc key to return to previous menu.

RUN: Press the ⑩ key to switch to ON.

- Exit from the menu by pressing the blue \bigcirc key.

- The message will remain on the screen.

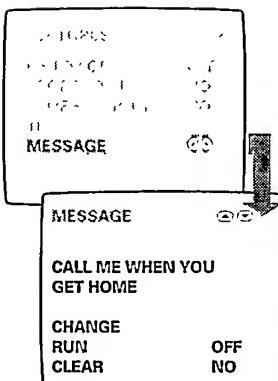
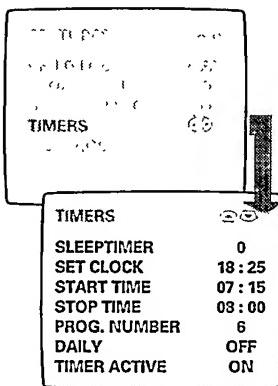
To erase the message: Press the blue \bigcirc key.

N.B.: The message will reappear every time the TV is switched on.

- To cancel: Switch RUN back to OFF.

CLEAR: Press ⑩ key to erase message.

- To exit: Press the blue \bigcirc key repeatedly.



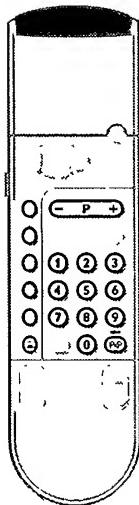
Teletext

Teletext is an information system, broadcast by certain TV channels, which can be consulted in the same way as a newspaper.

It also provides subtitles for the hard of hearing or people who are unfamiliar with the broadcast language (cable TV network, satellite channels, etc.).

Press:

Result:



Switch teletext on/off

Display or exit from teletext.

The main index page presents a list of subjects to which you have access.

Each subject has a corresponding page number (always 3 digits).

If the selected TV channel does not broadcast teletext, P100 is displayed and the screen remains black (if this is the case, switch off teletext and choose another TV channel).

① / ⑨

Selecting a teletext page

To type in the page number required.

E.g. page 120, type ① ② ③. The number is displayed in the top left-hand corner of the screen, the page counter starts searching and then the page selected is displayed. Repeat to consult another page.

① ② ③

↓
P120

If > xxx < flashes briefly or the counter continues searching, this means the page selected is not broadcast or is not available. If this is the case, choose another number.

- P +

**Previous page/
Next page
selection**

To consult the previous page (-) or the next page (+).



Direct access to a subject

Coloured zones are displayed at the bottom of the screen. The coloured keys O allow access to the subjects or their corresponding pages.



Main index

To return to the main index (generally on page 100), press the white key O.

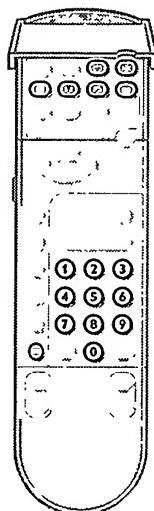


Previous page

To return to the page displayed previously.

Teletext (special features)

Press:	Result:
☒	Temporary interruption of the display
☒	To stop or return to the teletext display. The ☒ symbol is displayed, and the television programme reappears on the screen. This function allows you to wait when the search for pages takes a long time.
☒	Enlarging a page
☒	To display the upper part, the lower part and then to return to the normal page size.
☒	Overlaying teletext on the TV picture
☒	To activate/de-activate the screen overlay.
☒	Reveal
☒	To reveal/conceal hidden information (solutions to games or questions/answers).
☒	Stop the sequence of sub-pages (hold)
☒	Certain pages have sub-pages which follow on automatically. If this is the case, this key will allow you to stop or start the sequence. The message ☐ appears on the top left-hand corner of the screen.
① / ⑨	Direct selection of a sub-page
① / ⑨	To access a sub-page directly, press ①. The page number followed by four dashes will appear in the bottom left-hand corner of the screen. Type the number of the sub-page required using 4 numbers, e.g. type 0002 to consult sub-page 2. The page counter searches and then the sub-page is displayed. Press ① to return to current page.
① / ⑨	Subtitles
① / ⑨	Consult the main index to find out the page number for subtitles. Enter the subtitles page number (e.g. 888). The page counter searches and then the subtitles appear on screen. If no subtitles are available the page counter will continue to search. To exit from subtitles, press ①. When subtitling is switched on, you have to switch off teletext (① key) to be able to change programmes.



Connecting peripheral equipment

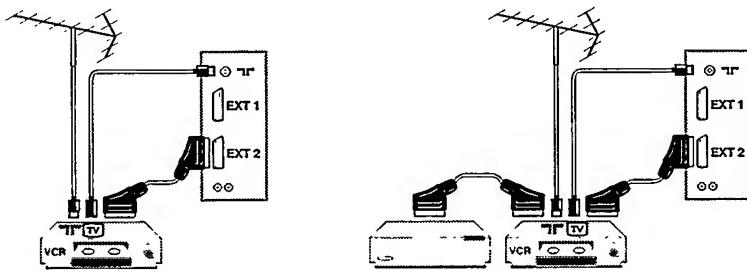
The EXT1 socket has audio and video inputs/outputs and RGB inputs.

The EXT2 socket has audio and video inputs/outputs and S-VHS inputs.

For further information, see glossary (p. 18).

Video recorder

...with Decoder



- If your video recorder has a euroconnector socket, carry out the above connections. Euroconnector sockets ensure better picture quality.
- If your video recorder does not have a euroconnector socket (or if this is already being used by another device), then the only connection possible is via the aerial cable. Your video recorder is then considered as a TV programme by your TV set. You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (see manual store chapter, p. 5).

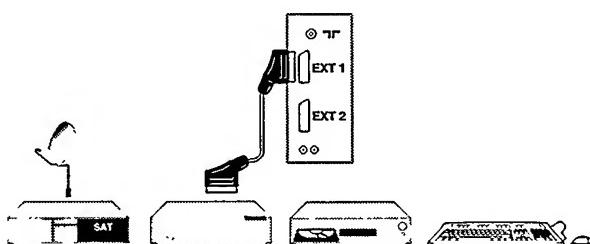
To reproduce the video recorder picture, press the ① key.

Refer to your video recorder's operating instructions concerning the test signal (the video recorder must be equipped with an HF modulator).

Connecting other equipment

(satellite receiver, decoder, CDV/CDI, games...)

Connect to EXT1 socket. If the external product produces S-VHS signals, it should be connected to the EXT2 socket.



■ To select connected equipment

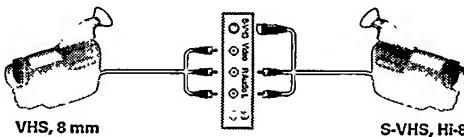
- Use ② key to select E1 (EXT1), E2 (EXT2) or, for S-VHS or Hi-8 equipment, E2 Y/C. Most equipment (decoder, video recorder) carries out the switchover itself.

Front connections

Carry out one of the following connections and then:

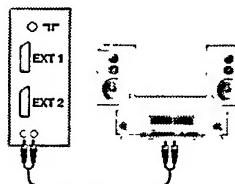
- Use the  key to select E2 (for VHS or 8mm cameras) or E2 Y/C (S-VHS or Hi-8 cameras).

N.B.: If a peripheral is connected to EXT2, it is advisable to switch it off while using a front S-VHS connection.



Amplifier

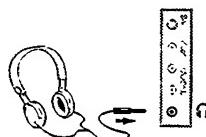
Use an audio connection cable and connect the  sockets "L" and "R" on the set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier.



Headphones

To adjust the headphones volume, use the HEADPHONES adjustment in the SOUND menu (p. 10). To adjust the volume on the TV set, use the  or  keys.

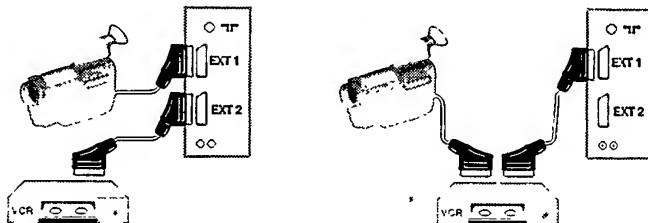
You can also access the HEADPHONES adjustment directly using programmable keys  and  on the remote control (see p. 8).



■ To make a copy of recordings:

Carry out one of the following connections, then:

- Press  to select E1.
- On the video recorder, select the euroconnector socket as the recording source.
N.B.: Copying is not possible using front connections.



Tips

Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. If this is the case, modify the orientation of the outside aerial. Check that the TV channel is tuned in correctly or try using fine tuning: see "fine tuning" (p. 6). The equipment connected to the TV gives a picture in black and white? Check that you have selected the correct E2 or E2 Y/C socket ( key).

No picture

Have you forgotten to connect the aerial socket? Have you chosen the correct system? (p. 6) Does your aerial enable you to receive broadcasts in this frequency range? Poorly connected euroconnector cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.

Picture adjustment

If you have trouble obtaining a clear picture, select one of the smart control presets  (p. 8) and store using the STORE PP ALL function in the FEATURES menu (the adjustment for NATURAL corresponds to our factory-optimised adjustment). The picture seems too red or too blue! Adjust the TINT (p. 10). In the event of difficult reception (snowy picture) switch the NOISE.REDUCT on the PICTURE menu to ON. (p. 10). The picture is badly adjusted? press the green  key or re-adjust (p. 10).

No sound

If on certain channels you receive a picture but have no sound, this means that you do not have the correct TV system. Modify the SYSTEM adjustment (p. 6).

Remote control

The TV set does not react to the remote control; the orange indicator on the TV set no longer flashes when you use the remote control? Replace the batteries.

Standby

When you switch the TV set on it remains in standby mode and the indication CHILD LOCK is displayed when you use the keys on the TV set? The child lock function is switched on (p. 11). To save electricity it is advisable to switch the TV set off using the ON/OFF key on the front of the set. If the set receives no signal for 15 mins, it automatically goes into standby mode.

Various

The menus appear in a different language? Re-select language choice (p. 4). Characters remain displayed on the screen? The MESSAGE function is switched on (p. 12). The  key on the remote control no longer functions? Re-select FAVOURITE PRG menu (p. 7).

Still no results ?

If you have a problem with your TV set, never attempt to repair it yourself: contact your dealer's after-sales service.

Recycling directive

Your TV set uses materials which are reusable or which can be recycled. To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (consult your dealer).



Glossary

Easy Tune: A system for automatically installing and storing programmes.

PAL SECAM colour coding: PAL is used in the majority of European countries,

SECAM in France, the CIS and the majority of African countries.

The United States and Japan use a different system called NTSC.

RGB Signals: These are separate Red, Green and Blue signals which directly drive the red, green and blue emmitterers in the cathode ray tube. Using these signals provides better picture quality.

S-VHS Signals: These are 2 separate video signals from the S-VHS and hi-fi 8 recording standards. The luminance signals Y (black and white) and chrominance signals C (colour) are recorded separately on the tape. This provides better picture quality than with normal videos (VHS and 8mm), where the Y/C signals are combined to give only one signal.

Smart controls: Allow access to a series of picture and sound presets.

MONO sound: The sound is in mono when only one channel is transmitted.

STEREO sound: The sound is in stereo when the left and right channels are transmitted separately.

NICAM sound: Process by which digital sound can be transmitted.

System: Television pictures are not broadcast in the same way in all countries.

There are different standards: BG, DK, I and L L' (France).

The SYSTEM adjustment is used to select these different standards.

16/9: Refers to the ratio between the length and height of the screen. Wide screen televisions have a ratio of 16/9, that of your TV set is 4/3. Warning: If you intend to watch a 4/3 ratio picture in a 16/9 ratio format, the picture will be compressed vertically.

14/9: Intermediate format which, by enlarging the picture, reduces the size of the black bands at the top and bottom of the pictures in cinemascope format.

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MID1.2 - 3111 256 1701.1

Português

Engliish

Español

Table of TV frequencies.

Frequenztabelle der Fernsehsender.

Liste des fréquences des émetteurs.

Frequenrietabel TV-Zenders.

Tabella delle frequenze delle trasmettenti.

Lista de las frecuencias de las emisoras.

Lista das frequências dos emissores.

Liste over TV senderne.

Tabell over TV-frekvenser.

EUROPE

CHANNEL	FREQ (MHz)
E2	.48.25
E3	.55.25
E4	.62.25
E5	.175.25
E6	.182.25
E7	.189.25
E8	.196.25
E9	.203.25
E10	.210.25
E11	.217.25
E12	.224.25
S1	.105.25
S2	.112.25
S3	.119.25
S4	.126.25
S5	.133.25
S6	.140.25
S7	.147.25
S8	.154.25
S9	.161.25
S10	.168.25
S11	.231.25
S12	.238.25
S13	.245.25
S14	.252.25
S15	.259.25
S16	.266.25
S17	.273.25
S18	.280.25
S19	.287.25
S20	.294.25
21.	.471.25
22.	.479.25
23.	.487.25
24.	.495.25
25.	.503.25
26.	.511.25
27.	.519.25
28.	.527.25
29.	.535.25
30.	.543.25
31.	.551.25
32.	.559.25
33.	.567.25
34.	.575.25
35.	.583.25
36.	.591.25
37.	.599.25
38.	.607.25
39.	.615.25
40.	.623.25
41.	.631.25
42.	.639.25
43.	.647.25
44.	.655.25
45.	.663.25
46.	.671.25
47.	.679.25
48.	.687.25
49.	.695.25
50.	.703.25
51.	.711.25
52.	.719.25
53.	.727.25
54.	.735.25
55.	.743.25
56.	.751.25
57.	.759.25
58.	.767.25
59.	.775.25
60.	.783.25
61.	.791.25
62.	.799.25
63.	.807.25
64.	.815.25
65.	.823.25
66.	.831.25
67.	.839.25
68.	.839.25
69.	.855.25

EASTERN EUROPE

CANAL	FREQ (MHz)
R1	.49.75
R2	.59.25
R3	.77.25
R4	.85.25
R5	.93.25
R 6	.175.25
R 7	.183.25
R 8	.191.25
R 9	.199.25
R10	.207.25
R11	.215.25
R12	.223.25
S1	.105.25
S2	.112.25
S3	.119.25
S4	.126.25
S5	.133.25
S6	.140.25
S7	.147.25
S8	.154.25
S9	.161.25
S10	.168.25
S11	.231.25
S12	.238.25
S13	.245.25
S14	.252.25
S15	.259.25
S16	.266.25
S17	.273.25
S18	.280.25
S19	.287.25
S20	.294.25
21.	.471.25
22.	.479.25
23.	.487.25
24.	.495.25
25.	.503.25
26.	.511.25
27.	.519.25
28.	.527.25
29.	.535.25
30.	.543.25
31.	.551.25
32.	.559.25
33.	.567.25
34.	.575.25
35.	.583.25
36.	.591.25
37.	.599.25
38.	.607.25
39.	.615.25
40.	.623.25
41.	.631.25
42.	.639.25
43.	.647.25
44.	.655.25
45.	.663.25
46.	.671.25
47.	.679.25
48.	.687.25
49.	.695.25
50.	.703.25
51.	.711.25
52.	.719.25
53.	.727.25
54.	.735.25
55.	.743.25
56.	.751.25
57.	.759.25
58.	.767.25
59.	.775.25
60.	.783.25
61.	.791.25
62.	.799.25
63.	.807.25
64.	.815.25
65.	.823.25
66.	.831.25
67.	.839.25
68.	.839.25
69.	.855.25

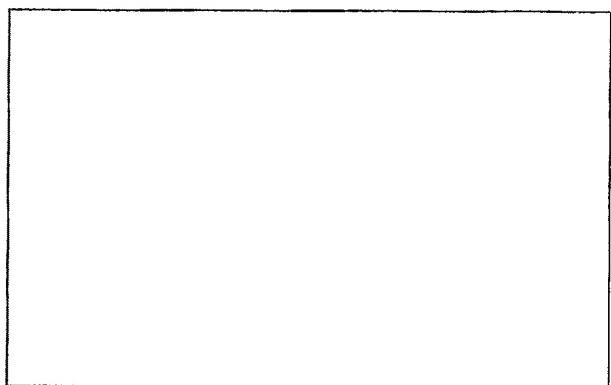
FRANCE

ITALY

CANAL	FREQ (MHz)
2	.55.75
3	.60.50
4	.63.75
5	.176.0
6	.184.0
7	.192.0
8	.200.0
9	.208.0
10	.216.0
B	.116.75
C	.128.75
D	.140.75
E	.159.75
F	.164.75
G	.176.75
H	.188.75
I	.200.75
J	.212.75
K	.224.75
L	.236.75
M	.248.75
N	.260.75
O	.272.75
P	.284.75
Q	.296.75
21.	.471.25
22.	.479.25
23.	.487.25
24.	.495.25
25.	.503.25
26.	.511.25
27.	.519.25
28.	.527.25
29.	.535.25
30.	.543.25
31.	.551.25
32.	.559.25
33.	.567.25
34.	.575.25
35.	.583.25
36.	.591.25
37.	.599.25
38.	.607.25
39.	.615.25
40.	.623.25
41.	.631.25
42.	.639.25
43.	.647.25
44.	.655.25
45.	.663.25
46.	.671.25
47.	.679.25
48.	.687.25
49.	.695.25
50.	.703.25
51.	.711.25
52.	.719.25
53.	.727.25
54.	.735.25
55.	.743.25
56.	.751.25
57.	.759.25
58.	.767.25
59.	.775.25
60.	.783.25
61.	.791.25
62.	.799.25
63.	.807.25
64.	.815.25
65.	.823.25
66.	.831.25
67.	.839.25
68.	.839.25
69.	.855.25

CATÁLOGO

CANALE	FREQ (MHz)
A	.53.75
B	.62.25
C	.82.25
D	.175.25
E	.183.75
F	.192.25
G	.201.25
H	.210.25
H1	.217.25
S1	.105.25
S2	.112.25
S3	.119.25
S4	.126.25
S5	.133.25
S6	.140.25
S7	.147.25
S8	.154.25
S9	.161.25
S10	.168.25
S11	.231.25
S12	.238.25
S13	.245.25
S14	.252.25
S15	.259.25
S16	.266.25
S17	.273.25
S18	.280.25
S19	.287.25
S20	.294.25
21.	.471.25
22.	.479.25
23.	.487.25
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57.	.759.25
58.	.767.25
59.	.775.25
60.	.783.25
61.	.791.25
62.	.799.25
63.	.807.25
64.	.815.25
65.	.823.25
66.	.831.25
67.	.839.25
68.	.839.25
69.	.855.25



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